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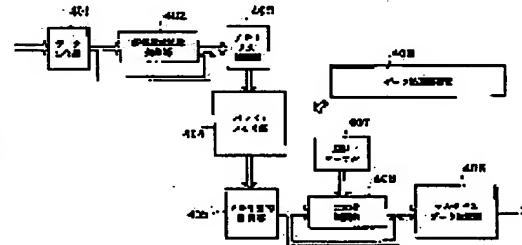
(72)Inventor : HORIKOSHI HIROKI

(54) RECORDER AND RECORDING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To record image data without increasing its circuit scale by passing through the multivalued error diffusion processing and the binarization expansion processing of a pseudo halftone processing means and processing the binary image data if inputted in the same form as that of the multilevel image data.

SOLUTION: A multilevel error diffusion processing part 402 converts the input image data of the (300 × 300 dpi) resolution and each 8-bit color component of CMYK into the intermediate data of the (300 × 300 dpi) resolution and each 3-bit color component of CMYK and stores them in a band memory 404. A binarization expansion part 406 expands the intermediate data into the binary data of the (1200 × 600 dpi) recording resolution via the area modulation using a density pattern. If the input image data are the binary image data of the (1200 × 600 dpi) resolution and each 1-bit color component of CMYK, these data pass through the part 402 and are stored in the memory 404. Then the image data stored in the memory 404 are packed and handled like the image data of the (300 × 300 dpi) resolution and each 8-bit pixel.



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